## ISSUE SLIP STAPI E AREA (for additional cross references)

| POSITION                  | INITIAL <sub>S</sub> | . ID NO. | DATE     |  |  |  |
|---------------------------|----------------------|----------|----------|--|--|--|
| FEE DETERMINATION         |                      |          |          |  |  |  |
| O.I.P.E. CLASSIFIER       |                      | 19       | 3501     |  |  |  |
| FORMALITY REVIEW          | 3 <i>6</i>           | S517     | 03-12-01 |  |  |  |
| RESPONSE FORMALITY REVIEW |                      |          |          |  |  |  |

## **INDEX OF CLAIMS**

| V | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | Interference |
|   | (Through numeral) Canceled | Α   | Appeal       |
|   | Restricted                 | 0   | Objected     |

|          |         |     |   |             |          |          | -  | -        | •••          | ••••         | ••••   | • • • • • • | •••••    |
|----------|---------|-----|---|-------------|----------|----------|----|----------|--------------|--------------|--|-------------|----------|
|          |         |     |   |             |          |          |    |          |              |              |  |             |          |
| Cla      | im      | 7   | _ | <del></del> |          |          | D  | ate      | •            |              |  | _           | _        |
|          | ᡖ       | Ž,  |   |             |          |          |    | -        | -            |              |  |             |          |
| ᅙ        | riginal | \$  | l | -           | l        |          |    | 1        |              |              |  |             | ı        |
| Final    | ᅙ       | 1   | ı | -           |          |          |    | 1        |              |              |  |             | i        |
|          | (1      | A   | r | 1           |          |          |    | 1        |              |              |  |             |          |
| H        | 2       | V   | ۲ | 7           | $\neg$   | _        | Г  | +        |              | _            |  | Н           | П        |
| $\vdash$ | 3       | 0   | H | +           | -        | -        | _  | $\dashv$ | -            | _            | _  | ┝┤          | Н        |
| H        | Λ       |     | ╀ |             |          |          | Ļ. | +        | -            |              |  | $\vdash$    |          |
| Н        | 4       | V   | Ł | -           | _        | _        | -  | +        | _            |              | ┝  | Н           |          |
| Ш        | 5       | V   | L |             | _        |          | L  | -        | _            |              | <del> </del> -                                   | ⊢           | Н        |
|          | 6       | O   | L | _           |          |          | L  | 4        |              |              | <u> </u>   |             | Н        |
|          | 3       | 上   | L | Ц           |          |          | L  | 4        |              |              | L  | ╙           |          |
|          | 48      | Ш   |   |             |          |          | L  | $\perp$  |              |              | _  |             |          |
|          | 9       | I   | Γ |             |          |          |    |          |              |              |  | <u> </u>    |          |
|          | 10      | П   | Τ |             |          |          | Γ  |          |              |              |  | Γ           |          |
| -        | 11      | П   | T |             |          |          | Γ  |          |              |              |  |             |          |
| Н        | 12      | IT  | t | ╡           | _        |          | ٢  | 1        |              | Γ            |  | 1           | П        |
| H        | 13      | J   | t | -           | _        | $\vdash$ | H  | 1        |              |              | $\vdash$   | $\vdash$    | Т        |
| $\vdash$ | _       |     | 1 | -           |          | $\vdash$ | ۲  | ┥        |              |              | $\vdash$   | ╁           | $\vdash$ |
| $\vdash$ | _       |     | t | $\dashv$    |          | $\vdash$ | ۲  | $\dashv$ |              | -            | <del>                                     </del> | +           | $\vdash$ |
| ┢        | 15      |     | + | -           | _        | -        | H  | 4        |              | $\vdash$     | ├  | +-          | $\vdash$ |
| <u> </u> | 16      | ⊢   | ╀ | _           |          |          | Ł  | -        |              | ⊢            | H  | ┿           | ₩        |
| $\vdash$ | 17      | ┞-  | ļ |             |          | <u> </u> | Ļ  | -        |              | <u> </u>     |  | ╀           | ├        |
| L        | 18      | -   | 1 |             | _        | L.       | L  | _        |              | _            | <u> </u>   | ╄           | 1_       |
|          | 19      | L   | 1 |             |          | L        | L  |          |              | L.           | L  |             | _        |
|          | 20      |     | T |             |          | Γ        | ľ  |          |              |              |  |             | l        |
| $\vdash$ | 21      | t   | t |             | _        | T        | t  |          |              | Г            | t  | T           | <b>†</b> |
| $\vdash$ | 22      | _   | t |             | -        | ╫        | t  |          |              | $\vdash$     | t  | +           | †        |
| $\vdash$ | 23      |     | t |             | ┝        | ├        | t  | -        | _            | ╆-           | ╁  | ╁           | $\vdash$ |
| $\vdash$ | 24      |     | + | _           | H        | ├-       | ╁  | -        | _            | -            | ╁  | +           | ╁        |
| $\vdash$ | _       | ٠   | + |             | <u> </u> | ├        | ╀  | _        | _            | ├-           | ╁  | ╀           | +        |
| _        | 25      | -   | 4 |             | <u> </u> | ┞        | ļ  |          | -            | ⊢            | ļ  | ┿           | ₩        |
| $\perp$  | 26      | +   | 1 |             | _        | L        | Ļ  | _        |              | <u> </u>     | ↓_   | ╄           | 1_       |
| L        | 27      | -   | 1 |             | L        | L        | l  | _        |              | L            | ┖  | 1           | ┺        |
| L.       | 28      |     |   |             |          |          | L  |          | L.           | L            |  |             | L        |
|          | 29      |     | Ī |             |          | T        | I  |          |              |              |  |             |          |
| Г        | 30      | 1   | 1 |             | Г        | T        | T  |          |              |              |  | Т           | Т        |
|          | 31      | T   | 1 |             | Γ        | T        | t  |          |              | T            | 1  | Т           | Τ        |
| $\vdash$ | 32      | -   | 1 |             | Ι-       | T        | t  |          | <del> </del> | +            | T  | T           | $\top$   |
| $\vdash$ | 33      | _   | + |             | $\vdash$ | t        | t  |          | -            | 十            | ⇈  | +           | +        |
| -        | 34      | _   | + |             | $\vdash$ | +        | +  | _        | $\vdash$     | ۰            | +  | +           | +        |
| $\vdash$ |         |     | + |             | $\vdash$ | ╁        | +  |          | ⊢            | ╁            | ┿~   | +           | +        |
| $\vdash$ | 35      | _   | 4 |             | H        | ╄        | +  |          | $\vdash$     | +            | +  | +-          | +        |
| $\vdash$ | 36      |     | 4 | _           | $\vdash$ | 1,-      | +  |          | ▙            | ╀            | +  | +           | +        |
| <u> </u> | 37      | _   | 4 | _           | ┞-       | 7        | +  | _        | ⊢            | ╀            | +  | +-          | +-       |
| L        | 38      | -   | _ |             | 1        | L        | 1  |          | L            | 1            | $\perp$  | 1           | +        |
| L        | 38      | _   | ╛ |             | L        |          | 1  |          | L            | $\perp$      | $\perp$  | $\perp$     | 丄        |
| 1        | 40      | ) [ |   |             |          |          | ١  |          |              |              |  | 1           | L        |
|          | 4       | ī   |   |             |          | Τ        | T  |          |              |              | T  | Τ           | Τ        |
| $\vdash$ | 42      | -   | 1 |             | H        | T        | +  |          | T            | $^{\dagger}$ | +  | $\top$      | $\top$   |
| $\vdash$ | 43      | -   | 1 | _           | †-       | +        | †  |          | †            | +            | +  | +           | 十        |
| $\vdash$ | 4       | -   | 4 |             | ╁        | +        | +  |          | +            | +            | +  | +           | +        |
| $\vdash$ |         |     | 4 |             | ╀        | ╀        | +  |          | ╀            | +            | +  | +           | +-       |
| $\vdash$ | 45      | -+- | 4 | _           | ╀        | +        | 4  |          |              | ╀            | +  | +           | +        |
| $\vdash$ | 46      |     | _ |             | ╀-       | 1        | 4  |          | $\perp$      | 1            | 4-   | 4           | +        |
| L        | 47      | _   |   |             | L        | $\perp$  | _  |          | L            | $\perp$      | 丄  | L           | $\perp$  |
|          | 48      | 3   | _ |             |          | Γ        | J  |          | Γ            | Γ            | Γ  | I           |          |
| Г        | 49      | 1   |   |             | Γ        | Τ        | T  |          | Γ            | T            | Τ  |             | Τ        |
|          | 50      | )   |   |             | Γ        | Т        | 7  |          | Γ            | T            | T  | Т           |          |

| Cla      | Claim Date |          |          |         |          |          |              |              |          |          |          |          |   |
|----------|------------|----------|----------|---------|----------|----------|--------------|--------------|----------|----------|----------|----------|---|
|          |            |          |          | _       | Т        | T        |              | Ė            | T        | П        | I        | 7        | ᅥ   |
| _        | Original   |          | -        |         | l        | ı        |              |              |          | 1        | - 1      | i        |   |
| Final    | rig        |          | ı        |         | ١        | - 1      |              |              | 1        |          |          |          | - 1   |
| ш.       |            |          | $\dashv$ |         | ╀        | $\dashv$ | _            | H            | ┿        | $\dashv$ | $\dashv$ | $\dashv$ |   |
|          | 51         |          |          | _       | ╀        | -+       |              | -            | +        | $\dashv$ | $\dashv$ | -        |   |
|          | 52         | $\vdash$ | _        |         | Ļ        | -        |              | Ŀ            | +        | -        |          | -        |   |
|          | 53         | Ш        |          |         | L        | _        |              | 上            | 1        | _        | _        |          | _   |
|          | 54         | $\sqcup$ |          |         | ļ        | 4        |              | L            | 4        | _        |          | $\perp$  | $\dashv$  |
| L.       | 55         | $\Box$   |          |         | ļ        | _        |              | L            | 1        | _        | _        |          | _   |
| L        | 56         |          |          | _       | L        | $\dashv$ |              | L            | ┵        | _        |          |          |   |
| L        | 57         |          |          |         |          | _        |              | L            | 1        |          |          |          |   |
|          | 58         |          |          | L       | 1        |          |              | L            | $\perp$  |          |          |          |   |
|          | 59         | П        |          |         | T        |          |              | Г            | 1        |          |          |          |   |
|          | 60         |          |          | Г       | T        | [        |              |              | I        |          |          |          |   |
| Г        | 61         |          |          | Г       | T        |          |              | Γ            | Т        |          |          |          |   |
|          | 62         | П        |          | Г       | T        |          |              | Ī            | T        |          |          |          |   |
|          | 63         |          |          | Г       | t        | ┪        |              | Т            | 7        |          |          |          |   |
| $\vdash$ | 64         |          |          | T       | †        | $\neg$   |              | T            | 7        | _        |          | Г        |   |
|          | 65         | _        |          | Γ       | †        |          |              | T            | 7        |          |          |          |   |
| Г        | 66         | $\vdash$ |          | T       | †        |          |              | T            | 7        |          |          | Г        | П   |
| -        | 67         |          | _        | t       | †        |          |              | T            | 1        | _        |          | $\Box$   | $\Box$  |
| $\vdash$ | 68         | H        | -        | T       | †        |          |              | r            | ┪        |          |          | T        | Г   |
| -        | 69         | T        | $\vdash$ | †       | †        |          |              | t            | 7        |          | _        | t        | Г   |
| $\vdash$ | 70         | +        | $\vdash$ | ╁┈      | +        |          | Н            | t            | 7        |          | ┢        | t        | $\vdash$  |
| $\vdash$ | 71         | $\vdash$ | -        | ╀       | ┨        |          | -            | ╁            | +        |          | $\vdash$ | ⊢        | ╁╴  |
| $\vdash$ | 72         | $\vdash$ |          | ╁       | +        |          | H            | ╁            | $\dashv$ |          | $\vdash$ | ╁        | -   |
| $\vdash$ | 73         | -        | ├─       | ╁       | +        |          | -            | ╁            | ᅥ        |          | $\vdash$ | ┢        | ╁╴  |
| $\vdash$ | 74         | -        | $\vdash$ | ╁       | +        |          | -            | ╁            | ┪        | _        | ╫        | ╁        | ┰   |
| -        | 75         | -        | ┢        | ╁       | +        | _        | -            | +            | ┪        |          | -        | +-       | $\vdash$  |
| $\vdash$ | 76         | -        | ┼        | ۰       | +        | _        | H            | +            | -1       | _        | $\vdash$ | ╁╴       | t   |
| $\vdash$ | 77         | -        | ┢        | ╁       | 1        | _        | -            | +            | $\dashv$ |          | +        | ┰        | +-  |
| -        | 78         | +        | ╁        | +       | ┥        |          | ┢            | ╁            | -        | _        | ╀        | ╁        | ╁   |
| $\vdash$ | 79         | -        | ┝        | ╁       | 4        |          | ⊢            | ╁            |          | _        | ╁        | ╁╌       | +   |
| $\vdash$ | -          | -        | ╁        | ╀       | $\dashv$ |          | ⊢            | ╁            | -        | -        | $\vdash$ | +-       | ╁   |
| $\vdash$ | 80         |          | ⊬        | ╀       | _        |          | ⊢            | ╀            | -        |          | ⊢        | ╁╌       | +   |
| $\vdash$ | 81         |          | ╀        | ╀       | 4        | ·        | ⊢            | +            |          | _        | ┝        | ╁╌       | +   |
| -        | 82         | +        | ┼        | ╀       | _        | ├        | ₽            | +            | _        | _        | ⊢        | ╁        | +-  |
| -        | 83         | _        | ╀        | ╀       | 4        | -        | $\vdash$     | +            | -        | -        | ╀        | +        | +   |
| _        | 84         | -        | +        | +       | 4        | <u> </u> | 1            | +            | _        | <u> </u> | ╀        | ╀        | ╄   |
| F        | 85         | _        | ╄-       | +       | 4        | $\vdash$ | ┼            | +            |          | -        | +        | ╄        | +   |
| $\vdash$ | 86         | ┵        | ╀        | +       | _        | $\vdash$ | ╄-           | +            |          | -        | +        | +        | ╁   |
| $\vdash$ | 87         | -        | $\vdash$ | +       |          | -        | ╀            | +            |          | $\vdash$ | ╀        | +        | +   |
| $\perp$  | 88         | _        | $\vdash$ | +       |          |          | ╀            | +            |          | -        | ╀        | +        | ╄   |
| $\vdash$ | 89         | _        | 4-       | +       |          | -        | ╀            | +            | _        | ⊢        | +        | +        | +   |
| L        | 90         |          | L        | 1       | _        | _        | $\downarrow$ | 4            |          | L        | 4        | $\perp$  | +   |
| L        | 9          |          | $\perp$  | $\perp$ |          | L        | L            | 1            |          | L.       | $\perp$  | $\perp$  | 4_  |
|          | 92         |          | Ĺ        | $\int$  | _        | L        | L            | _            |          | L        | Ļ.       | $\perp$  | $\perp$   |
|          | 93         |          | L        | Ţ       |          | L        | $\perp$      | $\downarrow$ |          | L        | L        | $\perp$  | ┸   |
| ſ        | 9          | 4        | Γ        | $\int$  |          | Ĺ        | L            |              |          |          | L        |          |   |
| Г        | 9          | 5        | Ι        | Ι       |          |          |              | $\rfloor$    |          |          |          | Γ        |   |
|          | 96         | 6        | L        | Ι       |          |          | Γ            | I            |          |          |          |          | $\perp$   |
|          | 9          | 7        | Τ        | T       |          | Γ        |              | Ţ            |          |          | Ι        | Ι        | $oldsymbol{ol}}}}}}}}}}}}}}}$ |
| $\vdash$ | 98         |          | T        | 1       | _        |          | Ι            | 1            |          | Γ        | Ι        | I        | Ι   |
| Н        | 9          |          | $\top$   | +       |          | 1        | 7            | ┪            |          | Т        | Т        | Т        | T   |

|       |          |          |              |   |          |   |          | _ | _  | _ |   | _  | _ |              |   |          | $\neg$   |
|-------|----------|----------|--------------|---|----------|---|----------|---|----|---|---|----|---|--------------|---|----------|----------|
| Cla   | im       |          | _            | _ | _        | _ |          | D | at | e | _ | _  | _ |              | _ | _        | 4        |
| Final | Original |          |              |   |          |   |          |   |    |   |   |    |   |              |   |          |          |
|       | 101      |          | Г            | T |          |   |          |   |    |   |   |    | I |              | L |          |          |
|       | 102      |          |              | T |          | Γ |          |   |    |   |   |    |   |              | L |          |          |
|       | 103      |          |              | 1 |          | Γ |          |   |    |   |   |    | Ī |              |   |          |          |
|       | 104      | <u> </u> | Г            | 1 | _        | T |          | Г |    | _ |   |    | 1 |              | T |          |          |
|       | 105      |          |              | 1 |          | Γ |          |   |    |   |   |    | T |              |   |          |          |
| _     | 106      |          | Г            | T |          | Γ |          |   |    |   |   |    | T |              |   |          |          |
|       | 107      |          | Γ            | T |          | Ī |          | Г |    |   |   |    |   |              |   |          |          |
|       | 108      |          |              |   |          | Γ |          |   |    |   |   |    |   |              |   |          |          |
|       | 109      |          |              | Ī |          | Ι |          |   |    |   |   |    |   |              | L |          |          |
|       | 110      |          |              |   |          | I |          |   |    |   |   |    |   |              | I |          |          |
|       | 111      |          |              |   |          |   |          |   |    |   |   | Ш  |   |              | l | $\perp$  |          |
|       | 112      |          |              |   |          | 1 |          | L |    | L |   | L  | ┙ |              | 1 | _        |          |
|       | 113      |          |              |   |          | L |          | L |    | L | _ | L  | ┙ |              | ╽ | _        |          |
|       | 114      | 1        |              |   |          | l |          | L |    | L |   | L  |   |              | 1 | _        | _        |
|       | 115      |          |              |   |          | 1 |          | L | _  | L |   | L  |   |              | 1 | _        |          |
| L     | 116      |          | L            |   |          | 1 |          | L |    |   | _ | L  |   | L            | 1 | _        |          |
| [     | 117      | 1        |              |   |          | 1 | _        | l |    | L | _ | L  |   | _            | 1 | _        |          |
| Ŀ     | 118      | <u> </u> | L            |   |          | 1 |          | L |    | 1 |   | L  |   |              | 1 |          |          |
|       | 119      | 9        | L            |   |          | 1 |          | L |    | l |   | L  |   | L            | 1 |          |          |
|       | 120      |          |              |   | 1        | 1 |          | l |    | ١ |   | l  |   | _            |   |          |          |
|       | 12       | 1        | Т            |   | Г        | T |          | T |    | Ī |   | Ι  |   |              | Ţ |          |          |
|       | 122      | 2        | Т            |   |          | 1 |          | T |    | Ī |   | Γ  |   |              | I |          |          |
|       | 12       | 3        | 1            |   |          | 1 |          | I |    | I |   | I  |   |              | 1 |          |          |
|       | 12       | 4        | Τ            |   |          |   |          | I |    | I |   | I  |   |              | _ |          |          |
| Г     | 12       | 5        | T            |   |          |   |          | I |    | I |   | Ι  |   |              |   |          |          |
| Г     | 126      | 3        | I            |   |          |   |          |   |    | I |   | l  |   | L            |   |          |          |
| Г     | 12       | 7        |              |   |          |   |          | 1 |    |   |   | l  |   | L            |   |          |          |
| Г     | 12       | В        |              | _ | L        |   |          | 1 | _  |   |   |    |   |              | ╛ |          |          |
|       | 12       | 9        |              |   |          |   |          |   |    |   |   | 1  |   | L            | ╛ | _        |          |
|       | 13       | 0        |              |   | Ĺ        |   |          | 1 | _  |   |   | 1  |   | L            | _ |          |          |
| L     | 13       |          | 1            |   | L        |   |          | ⇃ | _  | 1 | _ | 1  | _ | L            | Ц |          | _        |
| L     | 13       |          | 1            | _ | L        |   |          |   |    |   | _ | 1  | _ | L            | ┙ |          | <u>.</u> |
| L     | 13       | _        | 1            |   | L        |   | _        | 4 | _  |   |   | 1  |   | L            | _ | _        | _        |
| L     | 13       |          | 1            |   | <u> </u> |   |          |   | _  | 4 | _ | 1  | _ | Ļ            |   | _        | L.,      |
| L     | 13       |          | 1            |   | 1        | _ | _        | 4 | _  | _ |   | 1  | _ | Ļ            | _ | _        | L        |
| L     | 13       |          | 1            |   | 1        | _ | _        | 4 |    | _ | _ | 4  |   | Ļ            |   |          | L        |
| L     | 13       |          | 4            |   | ╀        |   | <u> </u> | 4 | _  |   |   | 4  |   | ╀            | _ | _        | _        |
| L     | 13       | _        | 4            |   | Ļ        |   | L        | 4 | _  |   |   | 4  | _ | ╀            | _ |          |          |
| L     | 13       | _        | 4            | _ | ╀        | _ | L        | 4 | _  | _ | _ | 4  | _ | ╀            | _ | <u> </u> | <u> </u> |
| L     | 14       |          | 1            |   | L        | _ | L        |   |    |   | L | 1  |   | Ļ            |   | _        | L.       |
| L     | 14       | 1_       | ╛            |   | L        | _ | L        |   |    |   | L | 1  | _ | L            |   |          | L        |
| L     | 14       |          | ┙            |   | 1        | _ | L        |   | L  |   | L | 1  | _ | ╀            | _ | L        | L        |
| L     |          | 13       | _            | _ | $\perp$  |   | L        |   |    | _ | L | 4  |   | L            | _ | L        | L        |
| L     | 14       |          | 1            |   | $\perp$  |   | L        | _ | L  |   | L | 1  |   | ┸            | _ | _        | L        |
| L     | 14       |          | _[           | _ | L        |   | L        |   | L  |   | L | 4  |   | 1            | _ |          | L        |
| L     | 14       |          | _            | _ | 1        |   | L        | _ | L  | _ | L | 4  |   | $\downarrow$ | _ | ·        | L        |
| L     | 14       |          | ┙            | _ | $\perp$  | _ | L        |   | L  |   | L | 4  | _ | $\downarrow$ | _ |          | L        |
| L     | 14       | 18       | $\downarrow$ |   | 1        |   | L        | _ | L  | _ | L | 4  |   | 1            | _ | L        | 1        |
| L     | 14       | 19       | _            |   | 1        |   | L        |   | L  | _ | L | 4  |   | 1            | _ | L        | L        |
|       | 15       | sa       | - 1          |   | 1        |   | 1        |   | ı  |   | 1 | -1 |   |              |   |          |          |

If more than 150 claims or 10 actions staple additional sheet here

(LEFT INSIDE)